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Miamisburg Environmental Management Project

MOUND SITE GENERAL UPDATE

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Director

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INTRODUCTION

- **Site Briefing provided to Interested Parties on June 18, 2002.**
- **Presentation materials posted on SEB Webpage, hard copies were handed out June 18; and hardcopies are again available today.**
- **Supplement to June 18 Presentation provided today:**
 - ◆ **Recent accomplishments (since May 2002)**
 - ◆ **Recently released documents**
 - ◆ **Additional information on Classified Work Scope, Site Security, Long Term Stewardship, and information on transfer buildings currently under lease.**



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RECENT ACCOMPLISHMENTS

● BUILDINGS

- ◆ **Buildings Demolished Since May 16, 2002: Buildings 29, 42, 44, 55, 123 and Brickmaker Structure.**
- ◆ **DOE approved off-site lease to transfer Building 61 warehouse activities.**

● SOIL POTENTIAL RELEASE SITES (PRSs)

- ◆ **Further Assessments Completed Since May 16, 2002: PRS' 267, 282 and 154.**
- ◆ **Remedial Field Work Completed Since May 16, 2002: PRS' 266, 415, 274 and 275.**

● DOE/NE RADIOISOTOPE PROGRAM

- ◆ **Draft Environmental Assessment for Relocation Issued July 2002.**
 - **DOE has identified Argonne National Lab - West (ANL-W) as the preferred Alternative.**
- ◆ **Pu-238 fueled hardware has been transferred off-site on interim basis to ANL-W.**



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- **LAND TRANSFERS**

- ◆ Parcel 3 transferred to MMCIC on August 8, 2002.
- ◆ Phase 1 CERCLA documents, Draft Residual Risk Evaluation Report (RRE) undergoing regulatory review; phase I property transfer planned by December 2002.

- **SUB-CONTRACTING UPDATE**

- ◆ Building 38 Subcontract in Progress; planned for completion by May, 2003.
- ◆ Buildings WD, 23 and 125 RFP Issued June 12, 2002; Bids Received August 7, 2002; planned for award by Sept. 15, 2002.
- ◆ Building HH RFP Issued July 18, Bids Due August 20, 2002; planned award by Sept. 30, 2002.

- **NUCLEAR MATERIAL RISK REDUCTION**

- ◆ Tritium Process Hold-up Inventory Reduced to 35 Grams.



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- **RISK REDUCTION/UNCERTAINTY MITIGATION**
 - ◆ **DOE Technical Assistance Team Convened to Provide Recommendations to Limit Radioactivity Air Emissions During D&D of Buildings. Draft Report Available.**
 - ◆ **Geo Probe Soil Characterization Completed Around SW/R; Samples being Analyzed.**
 - ◆ **Acceleration of Assessments for PRS' 282, 154 and 267.**
 - ◆ **Expedited Remedial Action Field Work at PRS' 274 and 275.**



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CLASSIFIED WORK SCOPE

● BUILDING DEACTIVATION

- ◆ **Weapon Tritium Components need to be processed (Baked Out) and shipped to Nevada Test Site as classified low level waste:**
 - Four small drums (15 gal.)
 - Processing area is R- Building
 - Processing time is expected to be minimal
 - Items are highly contaminated
 - Highest Classification level: Secret-Restricted Data
- ◆ **Removal of Gloveboxes and equipment previously used to process classified tritium components:**
 - R Building (3 Limited Areas - 1700 sq. ft.)
 - SW Building (7 Limited Areas - 7240 sq. ft.)
 - T Building (2 Limited Areas - 5837 sq. ft.)
 - Gloveboxes, equipment and trash will be shipped as classified low level waste to Nevada Test Site



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◆ Disposition of Other Classified Matter:

- **A Building Basement (10,722 sq. ft.) Classified Records storage and dispositioning**
- **By end of CY, most classified matter (paper) will be dispositioned. Work activities beyond December is expected to be minimal**



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SAFEGUARDS AND SECURITY

- **SAFEGUARDS AND SECURITY FUNCTIONS ARE SEPARATELY FUNDED (B&R CODE FS-40) AND IS PART OF THE CLEAN-UP FUNDING. EFFICIENT MANAGEMENT OF S&S COST MEANS MORE FUNDING FOR D&D**
- **SAFEGUARDS AND SECURITY FUNCTIONS**
 - ◆ **PROTECTIVE FORCE:** The Protective Force is used to protect nuclear materials, classified matter and materials located in Limited Areas, Government property and site personnel within the Property Protection Area from a wide spectrum of generic threats.
 - ◆ **PROTECTION SYSTEMS:** Protection Systems maintain an integrated security alarm system that provides intrusion alarm protection and automated access controls.



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SAFEGUARDS AND SECURITY

- **SAFEGUARDS AND SECURITY FUNCTIONS (Cont'd)**
 - ◆ **INFORMATION SECURITY:** Information Security maintains a program for the protection and control of classified and sensitive information through formal classification and declassification reviews/decisions, education of site personnel using policies/procedures and other media, maintenance of a document control system and the conduct of security infraction/incident inquiries. An Operational Security (OPSEC) program that meets applicable DOE directives is also maintained by this function.
 - ◆ **PERSONNEL SECURITY:** Personnel Security prepares/processes clearance (access authorization) actions, coordinates pre-employment investigations, process limited Facility Data Approval Records, and maintains the security badge program/system.
 - ◆ **MATERIAL CONTROL AND ACCOUNTABILITY:** Material Control and Accountability assures containment, surveillance, control, measurement, inventory, accounting, record and reporting requirements for nuclear materials.



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SAFEGUARDS AND SECURITY (Cont'd)

- **SAFEGUARDS AND SECURITY FUNCTIONS (Cont'd)**
 - ◆ **PROGRAM MANAGEMENT:** Program Management is the management and administration of all applicable Safeguards and Security programs through effective program planning (Site Security Plan, various vulnerability assessments and risk analyses), conduct of inspections/self-assessments and support of DOE surveys, resource planning (personnel management and budgeting exercises), policy development and oversight, professional development and training, and response to internal and DOE management requests. Facility Data Approval Record (FDAR) and Foreign Ownership Controls and Influence (FOCI) activities are also part of this area.
 - ◆ **UNCLASSIFIED CYBER SECURITY:** Unclassified Cyber Security funding is used to ensure that all computing resources that process unclassified data and sensitive unclassified data (SUD) are protected in a manner consistent with Mound's mission and potential threats.



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SAFEGUARDS AND SECURITY (Cont'd)

● SAFEGUARDS AND SECURITY FUNCTIONS (Cont'd)

- ◆ **CLASSIFIED CYBER SECURITY:** Classified Cyber Security maintains a Master Security Plan for classified personal computers operating in the stand-alone mode to ensure implementation of basic protection requirements, including sanitization procedures, personnel and system access controls and appropriate physical protection features.
- ◆ **COMMUNICATIONS SECURITY:** Communications security administers a COMSEC program and STU-III (Secured Telephone Units) devices.
- ◆ **TEMPEST:** TEMPEST performs an annual TEMPEST assessment of site radio frequency transmitters to determine potential vulnerabilities to classified data processing systems.
- ◆ **CYBER INFRASTRUCTURE:** Cyber Infrastructure provides services that include Personal Computer workstation virus protection, software auditing, server administration and data network support. Specific support activities include password oversight, firewall and router maintenance, telephone system support, implementation of security patches, intrusion detection, and secure remote access management.



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LONG TERM STEWARDSHIP - CURRENT SITUATION

- **Four parcels (including four buildings) have already been transferred to the MMCIC. These four parcels represent approximately 42% of the total acreage available for transfer described in the “Sales Contract by and between the USDOE and the MMCIC” (1/23/98).**
- **The “Mound Plant Operation & Maintenance (O&M) Plan for the Implementation of Institutional Controls” (Strawman Rev. 4, 8/13/99) requires DOE to perform an annual assessment of the effectiveness of institutional controls applied to transferred land parcels. The institutional controls for the first four parcels have been in the form of deed restrictions that:**
 - ◆ **Prohibit removal of soil from original Mound property (~306 acres) without approval from State of Ohio**
 - ◆ **Limit land use to Industrial; and**
 - ◆ **Prohibit use of groundwater (e.g., installation of wells) without prior approval from State of Ohio and USEPA.**



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D&T LEASED BUILDINGS CURRENTLY OCCUPIED

BUILDING 28

- **Historical Use:** Ceramics Production Facility. Built in 1966
- **Current Use:** Leased to MMCIC, subleased to company which uses it as a machine shop.
- **Description**
 - ◆ Has had 3 additions since its original construction. Total of 11,329 sq. ft.
 - ◆ One-story, slab-on-grade structure, reinforced concrete masonry, built up membrane roof.
 - ◆ Adjacent metal storage shed.
 - ◆ Lower-level mechanical room constructed in 1985, accessible by an exterior stair.
 - ◆ Electric, water, sewer, and compressed air are available from the site's main supply. The facility is served by five roof-top "gas packs" (gas heating electric cooling package units).
- **Safety/Hazards/Authorization Basis**
 - ◆ There is no known radiological contamination or other hazardous materials. There are no Authorization Basis issues, as this building is classified as industrial use.



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D&T LEASED BUILDINGS CURRENTLY OCCUPIED

COS BUILDING

- **Historical Use:** Production support for weapons components including explosive laboratories, a standards lab and a robotics lab. Built in 1986.
- **Current Use:** The building has been used as general office and lab space since its construction. It was leased to MMCIC in 1995, which uses some space and also subleases office and lab space.
- **Description**

The building is a four-story steel-framed structure with brick curtain wall. The facility also has a basement where a clean room was constructed. A one-story annex serves as a mechanical room to this facility. There is 30,640 sq. ft of lab space, and 12,470 sq. ft of office space, with a total of 53,706 sq. ft. (balance is common areas.)
- **Binning Status**

This building was binned “NFA” in January 2001.
- **Safety/Hazards/Authorization Basis**

There is no known radiological contamination or other hazardous materials. There are no Authorization Basis issues, as this building is classified as office/industrial use.



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DOE READING ROOM

- **Reading Room Moved to GH Building (1st brick building on top of hill, parking near entrance)**
- **Hours of Operation : Monday thru Thursday 8:30 - 11:30 a.m. and 12:00 - 5:00 p.m.**
- **Key Documents made Available**
 - ◆ **BWXT0 Proposed Baseline, Dated November 2001 (Redacted)**
 - ◆ **Draft Report “Mitigation of Fugitive Emissions During Building D&D”**
 - ◆ **Long Term Stewardship Plan Guidance and Reports**
 - ◆ **Burns and Roe Report on Review of November 2001 Proposal**
 - ◆ **DOE Major comments on November 2001 Proposal**



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**FOR SAFETY AND SECURITY REASONS WE
ASK THAT YOU STAY WITH YOUR TOUR
GROUPS. ANYONE FOUND SEPARATED FROM
THEIR GROUP WILL BE ESCORTED OFF THE
SITE AND WILL NOT BE ALLOWED TO
PARTICIPATE IN THE REMAINING TOURS**